

CLAIMS

1. An image file creating apparatus for creating an image file of a predetermined file format, from a plurality of images corresponding to a plurality of viewpoints, comprising:

an information creating means for creating 3-dimensional image control information for 3-dimensional display from the plurality of viewpoint images; and

a file creating means for creating an image file including the plurality of viewpoint images and the 3-dimensional image control information,

wherein whether the image file is a file that includes the plurality of viewpoint images is judged based on a filename of the image file and/or a directory that stores the image file.

2. The image file creating apparatus according to Claim 1, wherein the directory which stores the image file is made different from a directory in which image files including one-viewpoint images are stored, so as to enable making a decision on whether the image file is one that includes the plurality of viewpoint images.

3. The image file creating apparatus according to Claim 1, wherein the filename is made to be one that indicates a

fact that the file contains the plurality of viewpoint images, so as to enable making a decision on whether the image file is one that includes the plurality of viewpoint images.

5 4. The image file creating apparatus according to Claim 1, wherein the filename is made to be one that is different from those based on naming rules for files made up of a one-viewpoint image, so as to enable making a decision on whether the image file is one that includes the plurality
10 of viewpoint images.

5. The image file creating apparatus according to Claim 1, wherein the filename is made to have an extension different from those for files made up of a one-viewpoint image, so
15 as to enable making a decision on whether the image file is one that includes the plurality of viewpoint images.

6. An image file reproducing apparatus for reproducing a plurality of images corresponding to a plurality of viewpoint
20 images, from an image file of a predetermined file format, comprising:

 an analyzing means for analyzing 3-dimensional image control information for implementing 3-dimensional display of the plurality of viewpoint images from the image file,
25 wherein the plurality of viewpoint images are reproduced in

accordance with a result from the analyzing means.

7. An image file reproducing apparatus for reproducing a plurality of images corresponding to a plurality of viewpoint images, from an image file of a predetermined file format, comprising:

5 a deciding means for deciding whether the image file is a file that includes the plurality of viewpoint images, based on a filename of the image file and/or a directory that stores the image file; and

10 an analyzing means for analyzing 3-dimensional image control information for implementing 3-dimensional display of the plurality of viewpoint images from the image file, wherein the plurality of viewpoint images are reproduced in accordance with a result from the deciding means and/or the

15 analyzing means.